

Kavi Prakash Manoharan MLOps Project Submission Using Airflow

Airflow UI:

Do not use **SQLite** as metadata DB in production – it should only be used for dev/testing. We recommend using Postgres or MySQL. [Click here](#) for more information.

Do not use **SequentialExecutor** in production. [Click here](#) for more information.

DAGs

All 36 Active 0 Paused 36 Filter DAGs by tag Search DAGs

DAG	Owner	Runs	Schedule	Last Run	Next Run	Recent Tasks
Lead_Scoring_Data_Engineering_Pipeline	airflow		@daily		2023-01-21, 00:00:00	
Lead_Scoring_Data_Pipeline	airflow		@daily		2023-01-21, 00:00:00	
Lead_scoring_inference_pipeline	airflow		@hourly		2023-01-21, 23:00:00	
Lead_scoring_training_pipeline	airflow		@monthly		2023-02-01, 00:00:00	
example_bash_operator	airflow		0 0 ***		2023-01-21, 00:00:00	
example_branch_datetime_operator	airflow					

Do not use **SQLite** as metadata DB in production – it should only be used for dev/testing. We recommend using Postgres or MySQL. [Click here](#) for more information.

Do not use **SequentialExecutor** in production. [Click here](#) for more information.

DAGs

All 35 Active 1 Paused 34 Filter DAGs by tag Search DAGs

DAG	Owner	Runs	Schedule	Last Run	Next Run	Recent Tasks
Lead_Scoring_Data_Pipeline	airflow	1	@daily	2023-01-22, 00:28:25	2023-01-22, 00:00:00	7
Lead_scoring_inference_pipeline	airflow		@hourly		2023-01-21, 23:00:00	
Lead_scoring_training_pipeline	airflow		@monthly		2023-02-01, 00:00:00	
example_bash_operator	airflow	1	0 0 ***		2023-01-21, 00:00:00	
example_branch_datetime_operator	airflow	1	@daily		2023-01-21, 00:00:00	

Microsoft Edge browser window showing the Airflow web interface at `notebooksajarvislabs.ai:10969/home`. The interface displays a list of DAGs (Directed Acyclic Graphs) with columns for DAG name, Owner, Runs, Schedule, Last Run, Next Run, and Recent Tasks. The DAGs listed include `Lead_Scoring_Data_Pipeline`, `Lead_scoring_inference_pipeline`, `Lead_scoring_training_pipeline`, and several example operators like `example_branch_datetime_operator`.

DAG	Owner	Runs	Schedule	Last Run	Next Run	Recent Tasks
Lead_Scoring_Data_Pipeline	airflow	6	@daily	2023-01-22, 01:04:00	2023-01-22, 00:00:00	7
Lead_scoring_inference_pipeline	airflow	4	@hourly	2023-01-22, 01:53:26	2023-01-22, 02:00:00	2
Lead_scoring_training_pipeline	airflow	6	@monthly	2023-01-22, 01:39:38	2023-02-01, 00:00:00	1
example_branch_datetime_operator	airflow	0	0 0 * * *		2023-01-21, 00:00:00	
example_branch_datetime_operator_2	airflow	0	@daily		2023-01-21, 00:00:00	
example_branch_dop_operator_v3	airflow	0	* * * * *		2023-01-22, 01:58:00	
example_branch_labels	airflow	0	@daily		2023-01-21, 00:00:00	

Microsoft Edge browser window showing the Airflow web interface at `notebooksajarvislabs.ai:10985/home`. The interface displays a list of DAGs (Directed Acyclic Graphs) with columns for DAG name, Owner, Runs, Schedule, Last Run, Next Run, and Recent Tasks. The DAGs listed include `Lead_Scoring_Data_Pipeline`, `Lead_scoring_inference_pipeline`, `Lead_scoring_training_pipeline`, and several example operators like `example_branch_datetime_operator`.

DAG	Owner	Runs	Schedule	Last Run	Next Run	Recent Tasks
Lead_Scoring_Data_Pipeline	airflow	9	@daily	2023-01-22, 19:11:05	2023-01-22, 00:00:00	7
Lead_scoring_inference_pipeline	airflow	2	@hourly	2023-01-22, 19:13:08	2023-01-22, 19:00:00	4
Lead_scoring_training_pipeline	airflow	1	@monthly	2023-01-22, 19:03:06	2023-02-01, 00:00:00	2
example_branch_datetime_operator	airflow	0	@daily		2023-01-21, 00:00:00	

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Airflow DAGs Security Browse Admin Docs 19:33 UTC UU

Do not use **SQLite** as metadata DB in production – it should only be used for dev/testing. We recommend using Postgres or MySQL. [Click here](#) for more information.

Do not use **SequentialExecutor** in production. [Click here](#) for more information.

DAGs

All 35 Active 3 Paused 32 Filter DAGs by tag Search DAGs

DAG	Owner	Runs	Schedule	Last Run	Next Run	Recent Tasks
<input checked="" type="checkbox"/> Lead_Scoring_Data_Pipeline	airflow	13	@daily	2023-01-22, 19:29:29	2023-01-22, 00:00:00	7
<input checked="" type="checkbox"/> Lead_scoring_inference_pipeline	airflow	5	@hourly	2023-01-22, 19:28:54	2023-01-22, 19:00:00	4
<input checked="" type="checkbox"/> Lead_scoring_training_pipeline	airflow	5	@monthly	2023-01-22, 19:31:41	2023-02-01, 00:00:00	2
<input type="checkbox"/> example_bash_operator	airflow		00:00:00		2023-01-21, 00:00:00	
<input type="checkbox"/> example_branch_datetime_operator	airflow		@daily		2023-01-21, 00:00:00	

Type here to search

1:33 PM 1/22/2023

Data Pipeline Run:

Microsoft x upGrad | L x upGrad | L x JarvisLabs x DAGs - Air x Lead_Scor x lead_scor x MLops-Pij x New tab x

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Airflow DAGs Security Browse Admin Docs 00:36 UTC UU

☒ DAG: Lead_Scoring_Data_Pipeline DAG to run data pipeline for lead scoring Schedule: @daily Next Run: 2023-01-21, 00:00:00

Grid Graph Calendar Task Duration Task Tries Landing Times Gantt Details <> Code

Audit Log

01/22/2023 12:28:19 AM 25 All Run Types All Run States Clear Filters

deferred failed queued running scheduled skipped success up_for_reschedule up_for_retry upstream_failed no_status

Auto-refresh

DAG: Lead_Scoring_Data_Pipeline

DAG Details

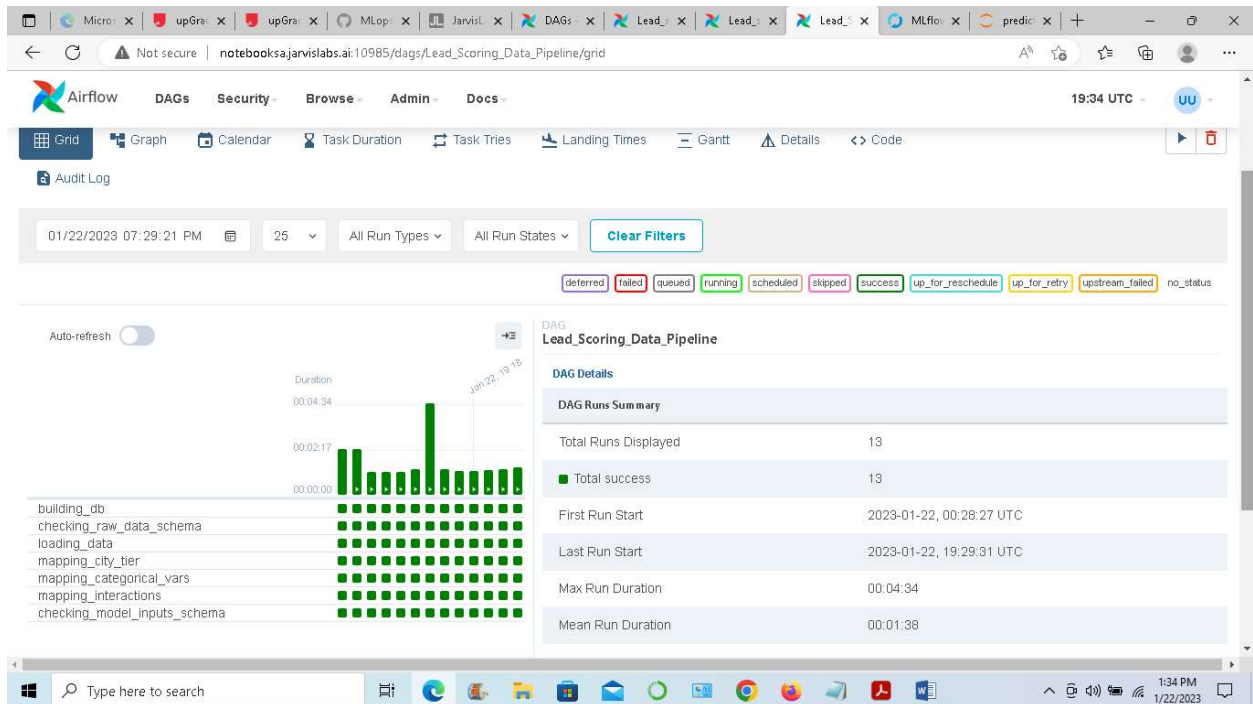
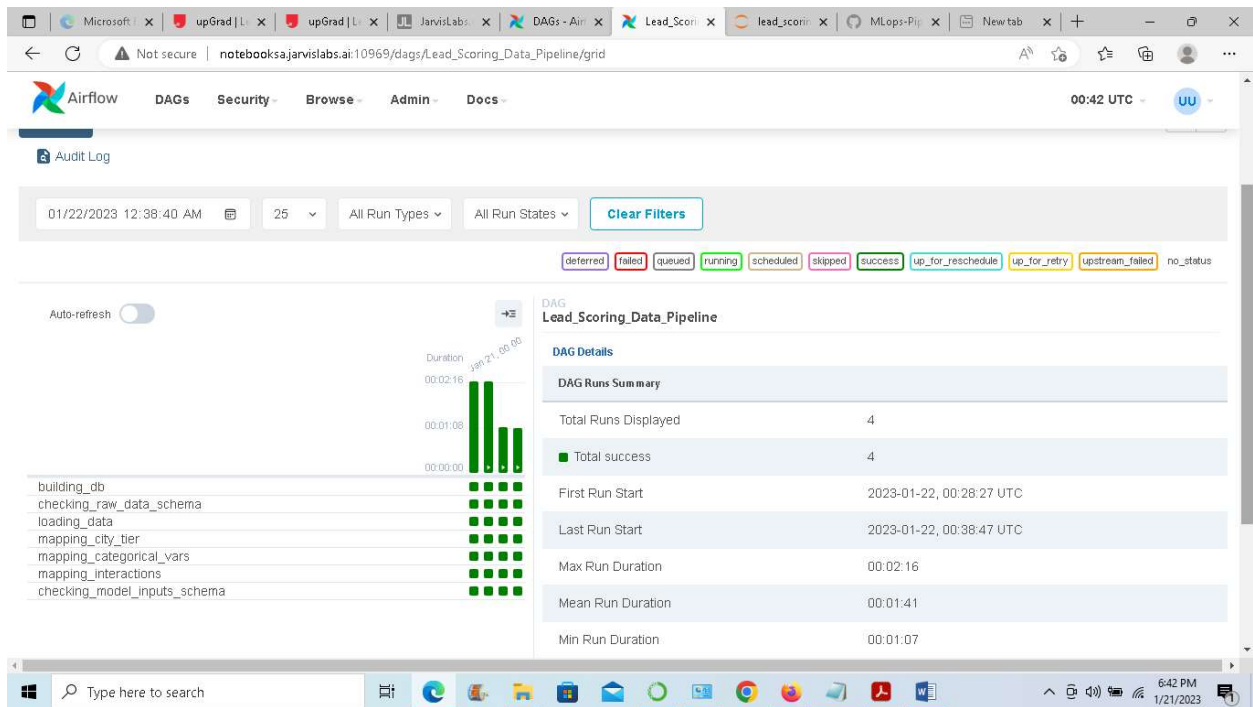
DAG Runs Summary

Total Runs Displayed	2
Total success	2
First Run Start	2023-01-22, 00:28:27 UTC
Last Run Start	2023-01-22, 00:28:27 UTC
Max Run Duration	00:02:16

building_db
checking_raw_data_schema
loading_data
mapping_city_tier
mapping_categorical_vars

Type here to search

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Microsoft | upGrad | upGrad | JarvisLabs | DAGs - Air | Lead_Scor | lead_scor | MLops-Pip | New tab | +

Not secure | notebooksajarvislabs.ai:10969/dags/Lead_Scoring_Data_Pipeline/graph

Airflow DAGs Security Browse Admin Docs 00:43 UTC UU

DAG: Lead_Scoring_Data_Pipeline DAG to run data pipeline for lead scoring success Schedule: @daily Next Run: 2023-01-22, 00:00:00

Grid Graph Calendar Task Duration Task Tries Landing Times Gantt Details <> Code

Audit Log

2023-01-22T00:38:47Z Runs 25 Run manual__2023-01-22T00:38:46.654070+00:00 Layout Left > Right Update Find Task...

PythonOperator deferred failed queued running scheduled skipped success up_for_reschedule up_for_retry upstream_failed no_status

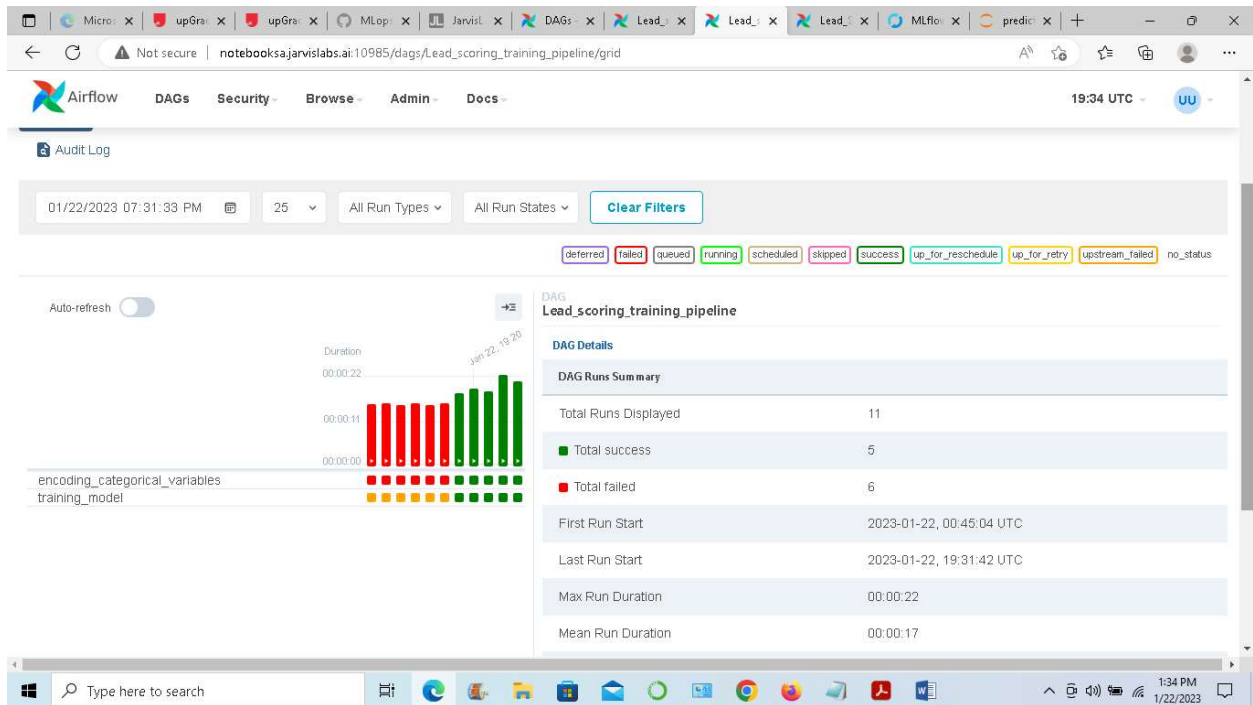
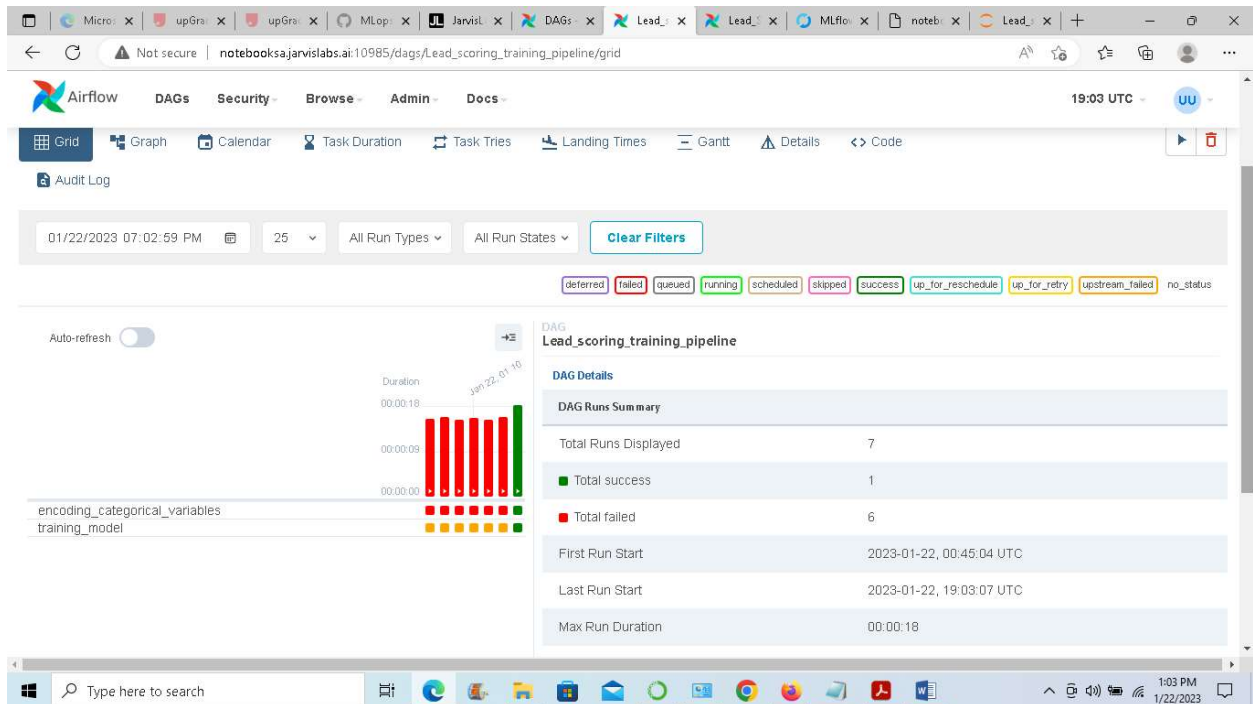
Auto-refresh

```
graph LR; building_db --> checking_raw_data_schema; checking_raw_data_schema --> loading_data; loading_data --> mapping_city_tier; mapping_city_tier --> mapping_categorical_vars; mapping_categorical_vars --> mapping_interactions; mapping_interactions --> checking_model_inputs_schema;
```

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Training Pipeline



Micro x upGra x upGra x MLop x JarvisL x DAGs x Lead x Lead x MLflow x noteb x Lead x

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Airflow DAGs Security Browse Admin Docs 19:03 UTC UU

DAG: Lead_scoring_training_pipeline Training pipeline for Lead Scoring System success Schedule: @monthly Next Run: 2023-02-01, 00:00:00

Grid Graph Calendar Task Duration Task Tries Landing Times Gantt Details <> Code

Audit Log

2023-01-22T19:03:07Z Runs 25 Run manual__2023-01-22T19:03:06.991078+00:00 Layout Left > Right Update Find Task...

PythonOperator deferred failed queued running scheduled skipped success up_for_reschedule up_for_retry upstream_failed no_status

Auto-refresh

encoding_categorical_variables training_model

Type here to search 1:03 PM 1/22/2023

Inference Pipeline

Micro x upGra x upGra x MLop x JarvisL x DAG x Lead x Lead x Lead x MLflow x noteb x Lead x

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Airflow DAGs Security Browse Admin Docs 19:06 UTC UU

DAG: Lead_scoring_inference_pipeline Inference pipeline of Lead Scoring system Schedule: @hourly Next Run: 2023-01-22, 19:00:00

Grid Graph Calendar Task Duration Task Tries Landing Times Gantt Details <> Code

Audit Log

01/22/2023 07:06:11 PM 25 All Run Types All Run States Clear Filters

Auto-refresh

encoding_categorical_variables
checking_input_features
generating_models_prediction
checking_model_prediction_ratio

Duration 00:04:54 00:02:27 00:00:00 Jan 22, 04:00

DAG Lead_scoring_inference_pipeline

DAG Details

DAG Runs Summary

Total Runs Displayed	10
Total success	1
Total failed	9
First Run Start	2023-01-22, 01:45:35 UTC
Last Run Start	2023-01-22, 19:06:19 UTC

Type here to search 1:06 PM 1/22/2023

Micro: x upGr: x upGr: x MLop: x Jarvis: x DAG: x Lead: x Lead: x Lead: x MLfi: x notel: x predi: x + -

https://notebooks.jarvislabs.ai/066/lab/tree/airflow/dags/Lead_scoring_inference_pipeline/prediction_distribution_20230122190641.txt

File Edit View Run Kernel Git Tabs Settings Help

Filter files by name

/ ... / dags / Lead_scoring_inference_pipeline /

Name	Last Modified
data	19 hours ago
constants.py	20 hours ago
lead_scoring_inference_pipeline...	19 hours ago
prediction_distribution_202301...	seconds ago
utils.py	20 hours ago

Terminal 1 x Terminal 3 x prediction_distrib x utils.py x lead_scoring_trai x Terminal 2 x +

```
1 0-->37.11
2 1-->62.89
3
```

Simple 3 0 Plain Text

Ln 1, Col 1 Spaces: 4 prediction_distribution_20230122190641.txt

Type here to search

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Micro: x upGr: x upGr: x MLop: x Jarvis: x DAGs: x Lead: x Lead: x Lead: x MLfi: x predi: x + -

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Airflow DAGs Security Browse Admin Docs 19:35 UTC UU

Audit Log

01/22/2023 07:28:46 PM 25 All Run Types All Run States Clear Filters

deferred failed queued running scheduled skipped success up_for_reschedule up_for_retry upstream_failed no_status

Auto-refresh

Duration 00:04:54 Jan 22, 06:00 Jan 22, 19:19

encoding_categorical_variables
checking_input_features
generating_models_prediction
checking_model_prediction_ratio

DAG Lead_scoring_inference_pipeline

DAG Details

DAG Runs Summary

Total Runs Displayed	14
Total success	5
Total failed	9
First Run Start	2023-01-22, 01:45:35 UTC
Last Run Start	2023-01-22, 19:28:55 UTC
Max Run Duration	00:04:54
Mean Run Duration	00:02:06
Min Run Duration	00:00:22

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File Edit View Run Kernel Git Tabs Settings Help

Filter files by name

/ ... / dags / Lead_scoring_inference_pipeline /

Name	Last Modified
data	20 hours ago
constants.py	20 hours ago
lead_scoring_inference_pipeline...	20 hours ago
prediction_distribution_202301...	29 minutes ago
prediction_distribution_202301...	22 minutes ago
prediction_distribution_202301...	14 minutes ago
prediction_distribution_202301...	10 minutes ago
prediction_distribution_202301...	7 minutes ago
utils.py	20 hours ago

Terminal 1

```
1 0-->37.11
2 1-->62.89
3
```

Terminal 3

constants.py

prediction_distribution

Terminal 2

Simple 3 0 Plain Text

Ln 1, Col 1 Spaces: 4 prediction_distribution_20230122192121.txt

Type here to search

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Airflow DAGs Security Browse Admin Docs

19:17 UTC UU

DAG: Lead_scoring_inference_pipeline Inference pipeline of Lead Scoring system success Schedule: @hourly Next Run: 2023-01-22, 19:00:00

Grid Graph Calendar Task Duration Task Tries Landing Times Gantt Details <> Code

Audit Log

2023-01-22T19:13:09Z Runs 25 Run manual__2023-01-22T19:13:08.235115+00:00 Layout Left > Right Update Find Task...

PythonOperator

deferred failed queued running scheduled skipped success up_for_reschedule up_for_retry upstream_failed no_status

Auto-refresh

```
graph LR
    A[encoding_categorical_variables] --> B[checking_input_features]
    B --> C[generating_models_prediction]
    C --> D[checking_model_prediction_ratio]
```

Type here to search

1:17 PM 1/22/2023

MLFlows UI:

The screenshot shows a terminal window with the following command and output:

```
root@831c5f69e120:~# mlflow server --backend-store-uri='sqlite:///home/airflow/dags/Lead_scoring_data_pipeline/Lead_scoring_ml_flow_production.db' --default-artifact-root="/airflow/dags/Lead_scoring_training_pipeline/mlruns/" --port=6006 --host=0.0.0.0
2023/01/22 18:51:31 INFO mlflow.store.db.utils: Creating initial MLflow database tables...
2023/01/22 18:51:31 INFO mlflow.store.db.utils: Updating database tables
INFO [alembic.runtime.migration] Context impl SQLiteImpl.
INFO [alembic.runtime.migration] Will assume non-transactional DDL.
INFO [alembic.runtime.migration] Running upgrade 451aebb31d03 -> 451aebb31d03, add metric step
INFO [alembic.runtime.migration] Running upgrade 90e64c465722 -> 90e64c465722, migrate user column to tags
INFO [alembic.runtime.migration] Running upgrade 181f10493468 -> 181f10493468, allow nulls for metric values
INFO [alembic.runtime.migration] Running upgrade 181f10493468 -> df50e92ffc5e, Add Experiment Tags Table
INFO [alembic.runtime.migration] Running upgrade df50e92ffc5e -> 7ac759974ad8, Update run tags with larger limit
INFO [alembic.runtime.migration] Running upgrade 7ac759974ad8 -> 89d4b8295536, create latest metrics table
INFO [89d4b8295536_create_latest_metrics_table.py] Migration complete!
INFO [alembic.runtime.migration] Running upgrade 89d4b8295536 -> 2b4d017a5e9b, add model registry tables to db
INFO [2b4d017a5e9b_add_model_registry_tables_to_db.py] Adding registered_models and model_versions tables to database.
INFO [2b4d017a5e9b_add_model_registry_tables_to_db.py] Migration complete!
INFO [alembic.runtime.migration] Running upgrade 2b4d017a5e9b -> cfd24bdc0731, Update run status constraint with killed
INFO [alembic.runtime.migration] Running upgrade cfd24bdc0731 -> 0a8213491aaa, drop_duplicate_killed_constraint
INFO [alembic.runtime.migration] Running upgrade 0a8213491aaa -> 728d730b5ebd, add registered_model tags table
INFO [alembic.runtime.migration] Running upgrade 728d730b5ebd -> 27a6a02d2c1f, add model version tags table
INFO [alembic.runtime.migration] Running upgrade 27a6a02d2c1f -> 84291f40a231, add run_link to model_version
INFO [alembic.runtime.migration] Running upgrade 84291f40a231 -> a8c4a736bde6, allow nulls for run_id
INFO [alembic.runtime.migration] Running upgrade a8c4a736bde6 -> 39d1c3be5f05, add_is_nan_constraint_for_metrics_tables_if_necessary
INFO [alembic.runtime.migration] Running upgrade 39d1c3be5f05 -> c48cb773bb87, reset_default_value_for_is_nan_in_metrics_table_for_mysql
INFO [alembic.runtime.migration] Running upgrade c48cb773bb87 -> bd07f7e963c5, create index on run_uuid
INFO [alembic.runtime.migration] Context impl SQLiteImpl.
INFO [alembic.runtime.migration] Will assume non-transactional DDL.
[2023-01-22 18:51:31 +0000] [2913] [INFO] Starting gunicorn 20.1.0
[2023-01-22 18:51:31 +0000] [2913] [INFO] Listening at: http://0.0.0.0:6006 (2913)
[2023-01-22 18:51:31 +0000] [2913] [INFO] Using worker: sync
[2023-01-22 18:51:31 +0000] [2916] [INFO] Booting worker with pid: 2916
[2023-01-22 18:51:31 +0000] [2917] [INFO] Booting worker with pid: 2917
[2023-01-22 18:51:32 +0000] [2918] [INFO] Booting worker with pid: 2918
[2023-01-22 18:51:32 +0000] [2919] [INFO] Booting worker with pid: 2919
```

The screenshot shows the MLFlow UI web interface. The top navigation bar includes the MLFlow logo, version 1.26.1, and links to Experiments, Models, GitHub, and Docs. The main content area is titled "Experiments" and shows a search bar, a "Default" experiment selected, and a description of the experiment. Below the description, there are buttons for Refresh, Compare, Delete, and Download CSV. A filter bar shows a search query: "metrics.rmse < 1 and params.model = 'tree'". The table below shows 0 matching runs. The table headers are: Start Time, Duration, Run Name, User, Source, Version, and Models. A message at the bottom states: "No runs yet. Learn more about how to create ML model training runs in this experiment."

Micro x upGra x upGra x MLOp x JarvisL x DAGs x Lead_ x Lead_ x MLflow x notebooksajarvislabs.ai:10984/#/experiments/0

Experiments

Search Experiments

Default

Track machine learning training runs in experiments. Learn more

Experiment ID: 0

Description Edit

Refresh Compare Delete Download CSV Start Time All time

Columns Only show differences metrics.rmse < 1 and params.model = "tree" Search Filter Clear

Showing 1 matching runs

	Start Time	Duration	Run Name	User	Source	Version	Models	False Negative	Precisio
	39 seconds ago	5.5s	Lead_scorin...	root	airflow	-	LightGBM/1	5531	0.717

Load more

Type here to search

1:04 PM 1/22/2023

Micro x upGra x upGra x MLOp x JarvisL x DAGs x Lead_ x Lead_ x MLflow x predic x

mlflow 1.26.1 Experiments Models

Search Experiments

Default

Track machine learning training runs in experiments. Learn more

Experiment ID: 0

Description Edit

Refresh Compare Delete Download CSV Start Time All time

Columns Only show differences metrics.rmse < 1 and params.model = "tree" Search Filter Clear

Showing 2 matching runs

	Start Time	Duration	Run Name	User	Source	Version	Models	False Negative	Precisio
	1 minute ago	6.5s	Lead_scorin...	root	airflow	-	LightGBM/2	5531	0.717
	19 minutes ago	5.5s	Lead_scorin...	root	airflow	-	LightGBM/1	5531	0.717

Load more

Type here to search

1:22 PM 1/22/2023

Micro: x upGra: x upGra: x MLop: x JarvisL: x DAGs: x Lead_: x Lead_: x Lead_: x MLflow: x predic: x + -

Not secure | notebooksajarvislabs.ai:10984/#/experiments/0

Experiments

Search Experiments

Default

Track machine learning training runs in experiments. Learn more

Experiment ID: 0

Description Edit

Refresh Compare Delete Download CSV Start Time All time

Columns Only show differences

metrics.rmse < 1 and params.model = "tree" Search Filter Clear

Showing 5 matching runs

	Start Time	Duration	Run Name	User	Source	Version	Models	False Negative	Preciso
<input type="checkbox"/>	4 minutes ago	6.6s	Lead_scorin...	root	airflow	-	LightGBM/5	5531	0.717
<input type="checkbox"/>	7 minutes ago	6.2s	Lead_scorin...	root	airflow	-	LightGBM/4	5531	0.717
<input type="checkbox"/>	11 minutes ago	5.8s	Lead_scorin...	root	airflow	-	LightGBM/3	5531	0.717
<input type="checkbox"/>	15 minutes ago	6.5s	Lead_scorin...	root	airflow	-	LightGBM/2	5531	0.717
<input type="checkbox"/>	33 minutes ago	5.5s	Lead_scorin...	root	airflow	-	LightGBM/1	5531	0.717

Load more

Type here to search

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Micro: x upGra: x upGra: x MLop: x JarvisL: x DAGs: x Lead_: x Lead_: x MLflow: x noteb: x Lead_: x + -

Not secure | notebooksajarvislabs.ai:10984/#/models

mlflow 1.26.1

Experiments Models

GitHub Docs

Registered Models

Share and manage machine learning models. Learn more

Create Model

Search by model name Search Filter Clear

Name	Latest Version	Staging	Production	Last Modified	Tags
LightGBM	Version 1	-	-	2023-01-22 13:03:24	-

< 1 > 10 / page

Type here to search

1:04 PM 1/22/2023

Micro x upGra x upGra x MLop x JarvisL x DAGs x Lead_ x Lead_ x MLflow x noteb_ x Lead_ x

Not secure | notebooksajarvislabs.ai:10984/#/models/LightGBM/versions/1

mlflow 1.26.1

Experiments Models GitHub Docs

Registered Models > LightGBM > Version 1

Version 1

Registered At: 2023-01-22 13:03:24 Stage: None Last Modified: 2023-01-22 13:03:24

Source Run: [Lead_scoring_mlflow_production](#)

Description [Edit](#)

Tags

Schema

Name	Type
No schema. See MLflow docs for how to include input and output schema with your model.	

Type here to search

1:05 PM 1/22/2023

Micro x upGra x upGra x MLop x JarvisL x DAGs x Lead_ x Lead_ x MLflow x noteb_ x Lead_ x

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mlflow 1.26.1

Experiments Models GitHub Docs

Registered Models > LightGBM > Version 1

Version 1

Registered At: 2023-01-22 13:03:24 Stage: None Last Modified: 2023-01-22 13:03:24

Source Run: [Lead_scoring_mlflow_production](#)

Description [Edit](#)

Tags

Schema

Name	Type
No schema. See MLflow docs for how to include input and output schema with your model.	

Stage Transition

Transition to → [Production](#)

☒ Transition existing [Production](#) model versions to [Archived](#)

Cancel OK

Type here to search

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Micro x upGra x upGra x MLop x JarvisL x DAGs x Lead_ x Lead_ x MLflo x noteb x Lead_ x

Not secure | notebooksajarvislabs.ai:10984/#/models/LightGBM/versions/1

mlflow 1.26.1 Experiments Models GitHub Docs

Registered Models > LightGBM > Version 1

Version 1

Registered At: 2023-01-22 13:03:24 Stage: **Production** Last Modified: 2023-01-22 13:05:47

Source Run: [Lead_scoring_mlflow_production](#)

► Description [Edit](#)

► Tags

▼ Schema

Name	Type
No schema. See MLflow docs for how to include input and output schema with your model.	

Type here to search

Micro x upGra x upGra x MLop x JarvisL x DAGs x Lead_ x Lead_ x Lead_ x MLflo x predic x

Not secure | notebooksajarvislabs.ai:10984/#/models/LightGBM/versions/2

mlflow 1.26.1 Experiments Models GitHub Docs

Registered Models > LightGBM > Version 2

Version 2

Registered At: 2023-01-22 13:20:42 Stage: **Production** Last Modified: 2023-01-22 13:22:17

Source Run: [Lead_scoring_mlflow_production](#)

► Description [Edit](#)

► Tags

▼ Schema

Name	Type
No schema. See MLflow docs for how to include input and output schema with your model.	

Type here to search

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Not secure | notebooksajarvislabs.ai:10984/#/models

mlflow 1.26.1 Experiments Models

GitHub Docs

Registered Models

Share and manage machine learning models. Learn more

Create Model

Search by model name Search Filter Clear

Name	Latest Version	Staging	Production	Last Modified	Tags
LightGBM	Version 5	-	Version 2	2023-01-22 13:32:01	-

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After pointing to Inference file

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https://notebooksajarvislabs.ai/066/lab/tree/airflow/dags/Lead_scoring_data_pipeline/constants.py

File Edit View Run Kernel Git Tabs Settings Help

Filter files by name

Name Last Modified

- leadscoring_inference.csv seconds ago
- leadscoring.csv a day ago

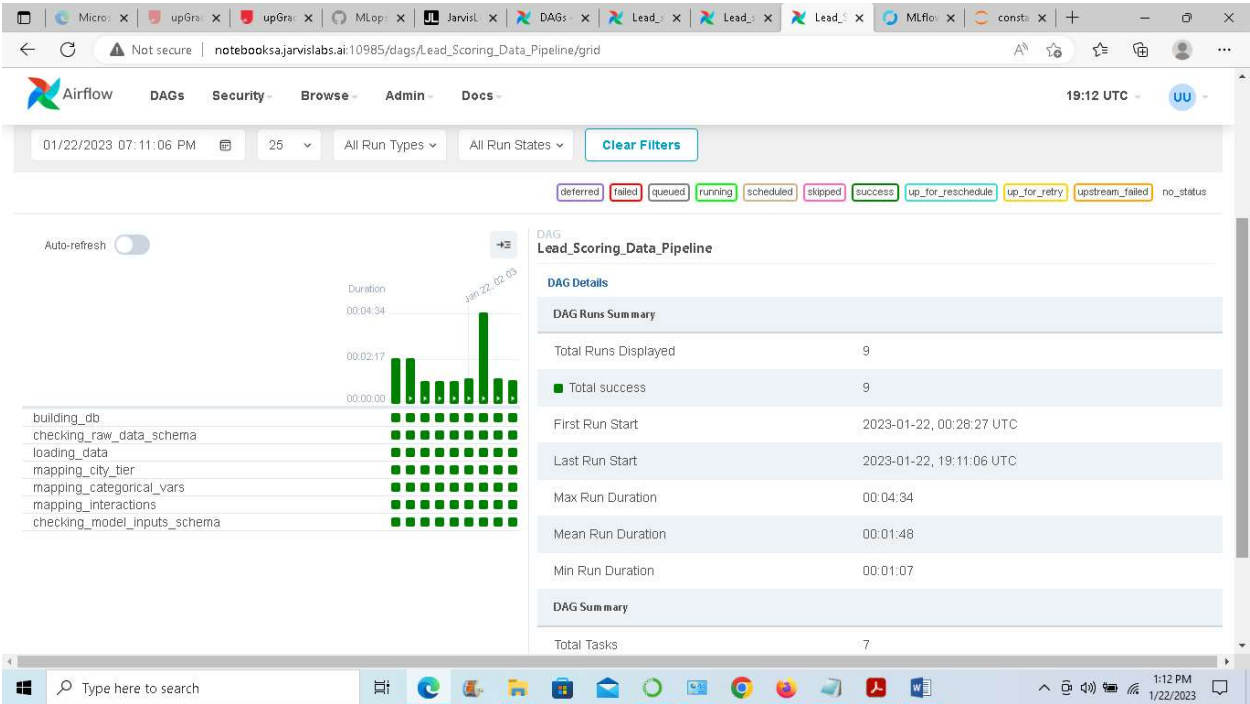
```
1 # You can create more variables according to your project. The following are the basic variables that have been provided
2 to you
3 DB_PATH = '/home/airflow/dags/Lead_scoring_data_pipeline/'
4 DB_FILE_NAME = 'lead_scoring_data_cleaning.db'
5 DATA_DIRECTORY = '/home/airflow/dags/Lead_scoring_data_pipeline/data/'
6 INTERACTION_MAPPINGS = '/home/airflow/dags/Lead_scoring_data_pipeline/mapping/'
7 INDEX_COLUMNS = ['created_date', 'city_tier', 'first_platform_c', 'first_utm_medium_c',
8 'first_utm_source_c', 'total_leads_dropped', 'referred_lead']
9 #NOT_FEATURES =
10 LEAD_SCORING_FILE='leadscoring_inference'
```

Simple 3 0 Python Saving completed Ln 6, Col 147 Spaces: 4 constants.py

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Data Pipeline



Inference Pipeline

